CIVIL-TECH CONSULTANTS AND ENGINEERS

An ISO 9001:2008 Certified Company

(Building, Geo-Tech & High way Material Testing Research Laboratory)

Engineering Project Consultants

BSCIC ISO 9001 REGISTERED

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.

Type of Road Surface	Minimum Number of Tests as per IRC norms	Number of Test done during execution	Percentage of Tests carried out as per IRC norms
I	II	III	IV
WMM	3	3	100%
CIVIL WORKS	36	36	100%
TOTAL	39	39	100%

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

Nagara, Basaveshwaranagara, Bangalore-79. Tele fax : 23223227, Cell : 93428 39190

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An ISO 9001:2008 Certified Company
(Building, Geo-Tech & High way Material Testing Research Laboratory)
Engineering Project Consultants

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.

Test as per IRC Norms	Frequency of test as per IRC Norms	WMM		
		Total Quantity executed **194.12 cum**		
For WMM Works		Minimum tests Required as per IRC norms	Actually test done during execution	Percentage of test carried as per IRC Norms
Gradation	1test per 200 cu. Mt. of aggregate	1	1	100%
Aggregate Impact Value	1 test per 1000 cu. Mt. of aggregate	1	1	100%
Flakiness and Elongation Index	1 test per 500 cu. Mt. of aggregate	1	1	100%
Total		3	3	100%

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ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.

Description	Quantity	Unit	Total Number of test to be carried out as per IRC	Actual Number of Test to be conducted	% Completed
I	II	III	IV	V	IV
1) PCC 1:3:6 a)Cement b)M-Sand c)Aggregate 40MM d)Aggregate 20MM e)Aggregate 12.5MM	132.36	Cum	5	5	100%
2)Steel-8,10MM	13.53	Tonne	2	2	100%
3)Cube M25	225.22	Cum	12	12	100%
4)Precast Slab - 100MM	642.69	Sqm	1	1	100%
5)Dry Lean Concrete	194.12	Cum	4	4	100%
6)Kerbstone	1591	No's	2	2	100%
7)Cube M30	310.59	Cum	10	10	100%
TOTAL			**36**	**36**	**100%**

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/CEMENT/2021-22 Date: 07.05.2021

TEST REPORT

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	Cement
Sample Received on	:	05.05.2021
Period of Testing	:	05.05.2021 to 07.05.2021
Report Issue Date	:	07.05.2021

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015 (2020)
1	Standard Consistency	IS-4031 (Part -4) : 1988 (RA-2019)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	185 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	390 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) : 1988 (RA-2019)	1.00 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/SAND-Gradation/2021-22 07.05.2021

TEST REPORT SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	Fine Aggregates (Manufactured Sand)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2021)
Sample Received On	:	05.05.2021
Date of Testing	:	07.05.2021
Report Issue Date	:	07.05.2021

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-2016			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	96.80	90-100	90-100	90-100	95-100
2.36	78.80	60-95	75-100	85-100	95-100
1.18	58.60	30-70	55-90	75-100	90-100
600 Micron	39.60	15-34	35-59	60-79	80-100
300 Micron	18.30	5-20	8-30	12-40	15-50
150 Micron	5.10	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Note 1 :

For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2 :

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/AGG/GR/2021-22 07.05.2021

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No:12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	Coarse Aggregates (40mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2021)
Sample Received on	:	05.05.2021
Date of Testing	:	07.05.2021
Report Issue Date	:	07.05.2021

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.90	95-100	85-100
20	38.86	30-70	0-20
10	14.22	10-35	0-5
4.75	2.18	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/AGG/GR/2021-22

07.05.2021

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	Coarse Aggregates (20mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963(RA-2021)
Sample Received on	:	05.05.2021
Date of Testing	:	07.05.2021
Report Issue Date	:	07.05.2021

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
40	100	100	100
20	97.36	95-100	85-100
10	38.84	25-55	0-20
4.75	7.54	0-10	0-5

Civil-Tech Consultants & Engineers Bangalore

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/AGG/GR/2021-22 07.05.2021

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: **Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	: Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	: Coarse Aggregates (12.5mm)
Test Method As Per	: IS - 2386 (Part 1) : 1963 (RA-2021)
Sample Received on	: 05.05.2021
Date of Testing	: 07.05.2021
Report Issue Date	: 07.05.2021

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
20	100	100	-
16	100	-	100
12.5	96.30	90-100	85-100
10	45.00	40-85	0-45
4.75	5.04	0-10	0-10

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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Job No.: CTCE/BBMP/KRIDL/W.No.12/Steel/2021-22 10.05.2021

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Samples ID	:	8mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2018)
Date of Testing	:	10.05.2021
Report Issue Date	:	10.05.2021

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	8	0.39	511	552	13.1	O.K	O.K

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10.05.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/Steel/2021-22

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Samples ID	:	10 mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2018)
Date of Testing	:	10.05.2021
Report Issue Date	:	10.05.2021

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	516	557	13.15	O.K	O.K

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

09.06.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.06.2021
Report Issue Date	:	09.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2021	09.06.2021	8.269	605.2	26.90
2	12.05.2021	09.06.2021	8.311	625.7	27.81
3	12.05.2021	09.06.2021	8.425	635.9	28.26

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22 09.06.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.06.2021
Report Issue Date	:	09.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2021	09.06.2021	8.092	623.6	27.72
2	12.05.2021	09.06.2021	8.193	615.2	27.34
3	12.05.2021	09.06.2021	8.287	635.9	28.26

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12.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	12.06.2021
Report Issue Date	:	12.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.05.2021	12.06.2021	8.290	605.7	26.92
2	15.05.2021	12.06.2021	8.340	615.6	27.36
3	15.05.2021	12.06.2021	8.390	625.9	27.82

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12.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	12.06.2021
Report Issue Date	:	12.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.05.2021	12.06.2021	8.223	615.3	27.35
2	15.05.2021	12.06.2021	8.310	626.7	27.85
3	15.05.2021	12.06.2021	8.392	635.8	28.26

*Information is furnished by the Customer/Representative.

Note:

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14.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	14.06.2021
Report Issue Date	:	14.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.05.2021	14.06.2021	8.229	613.3	27.26
2	17.05.2021	14.06.2021	8.354	625.6	27.80
3	17.05.2021	14.06.2021	8.415	635.9	28.26

*Information is furnished by the Customer/Representative.

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14.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	14.06.2021
Report Issue Date	:	14.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.05.2021	14.06.2021	8.235	625.9	27.82
2	17.05.2021	14.06.2021	8.352	635.9	28.26
3	17.05.2021	14.06.2021	8.425	645.9	28.71

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16.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	16.06.2021
Report Issue Date	:	16.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.05.2021	16.06.2021	8.269	599.6	26.65
2	19.05.2021	16.06.2021	8.310	604.5	26.87
3	19.05.2021	16.06.2021	8.390	626.3	27.84

*Information is furnished by the Customer/Representative.

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16.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Raft Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	16.06.2021
Report Issue Date	:	16.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.05.2021	16.06.2021	8.370	633.5	28.16
2	19.05.2021	16.06.2021	8.420	645.6	28.69
3	19.05.2021	16.06.2021	8.456	615.6	27.36

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18.06.2021

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: **Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	: Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	: RCC Drain Side Wall Concrete
Technical Reference	: IS: 516-1959 (RA-2018)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{25}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 18.06.2021
Report Issue Date	: 18.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.05.2021	18.06.2021	8.320	613.2	27.25
2	21.05.2021	18.06.2021	8.123	602.8	26.79
3	21.05.2021	18.06.2021	8.290	625.9	27.82

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22 18.06.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.06.2021
Report Issue Date	:	18.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.05.2021	18.06.2021	8.130	613.2	27.25
2	21.05.2021	18.06.2021	8.260	622.3	27.66
3	21.05.2021	18.06.2021	8.396	630.8	28.04

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22 21.06.202

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	21.06.2021
Report Issue Date	:	21.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2021	21.06.2021	8.392	607.9	27.02
2	24.05.2021	21.06.2021	8.426	590.3	26.24
3	24.05.2021	21.06.2021	8.380	608.9	27.06

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Cube/2021-22 21.06.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
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* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	21.06.2021
Report Issue Date	:	21.06.2021

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.05.2021	21.06.2021	8.265	638.6	28.38
2	24.05.2021	21.06.2021	8.390	645.6	28.69
3	24.05.2021	21.06.2021	8.456	623.6	27.72

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Kerb Stone/2021-22

02.06.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	Kerb Stone
* Grade of Concrete	:	M_{15}
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample Received on	:	01.06.2021
Date of Testing	:	02.06.2021
Report Issue Date	:	02.06.2021

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.389	2507.80	1.58	0.955	23.15	11.79	12.73	13.34	16.67
2	50.00	78.00	0.394	2572.60	1.56	0.952	24.90	12.68	13.70	14.38	17.97
3	50.00	81.00	0.402	2527.62	1.62	0.959	25.60	13.04	14.08	14.68	18.35

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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-101c/Kerb Stone/2021-22

03.06.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020
* Sample ID	:	Kerb Stone
* Grade of Concrete	:	M_{15}
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample Received on	:	02.06.2021
Date of Testing	:	03.06.2021
Report Issue Date	:	03.06.2021

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	83.00	0.410	2515.80	1.66	0.963	24.30	12.38	13.37	13.88	17.34
2	50.00	84.00	0.420	2546.48	1.68	0.965	25.30	12.89	13.92	14.41	18.02
3	50.00	85.00	0.423	2534.50	1.70	0.968	26.15	13.32	14.38	14.87	18.58

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⇒The results indicated above are based on the tests carried out on the □ samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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